

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-11. (Cancelled)

12. (Previously Presented) A method of maintaining long biological activity and high concentration of ascorbate and a derivative of quercetin in a human comprising orally administering a composition comprising (a) ascorbic acid, ascorbate or a derivative thereof, in combination with (b) one or more of quercetin-3-O-glucoside (isoquercetin), quercetin-4'-glucoside, quercetin-3'-glucoside, or quercetin-7-glucoside, in a molar ratio of from about 2:1 to about 1:2, the amounts being sufficient that the periods of biological activity of (a) and (b) are longer than the periods of biological effectiveness of (a) administered without (b) and of (b) administered without (a).

13-16. (Cancelled)

17. (Previously Presented) A method of extending the biological activity lifetime of ascorbic acid, ascorbate or a derivative thereof, comprising administering ascorbic acid, ascorbate or a derivative thereof in combination with one or more of quercetin-3-O-glucoside (isoquercetin), quercetin-4'-glucoside, quercetin-3'-glucoside, or quercetin-7-glucoside, in a molar ratio of from about 2:1 to about 1:2.

18-20. (Cancelled)

21. (Previously Presented) The method of claim 17, wherein said ascorbic acid or ascorbate is present in an amount ranging from 150 to 1000 mg in a daily dose.

22. (Previously Presented) A method according to claim 17 wherein said isoquercetin is in combination with ascorbic acid or a physiologically active ascorbate in the form of its sodium, calcium, or other mineral or organic salt.

23. (Previously Presented) A method according to claim 17 wherein said isoquercetin is in combination with ascorbic acid or a mineral or organic salt thereof.

24. (Previously Presented) A method according to claim 17 wherein said combination further comprises a vitamin.

25. (Previously Presented) A method according to claim 17 wherein said combination further comprises a Mg, Ca, K, or Fe salt.

26. (Previously Presented) A method according to claim 17 wherein said combination further comprises a trace element.

27. (Previously Presented) A method according to claim 17 wherein said combination of ascorbic acid or ascorbate and isoquercetin is in a molar ratio of about 1:1.

28. (Previously Presented) A method according to claim 17 wherein said ascorbic acid or ascorbate is present in an amount ranging from 30 to 4000 mg in a daily dose.

29. (Previously Presented) A method according to claim 17 wherein said ascorbic acid or ascorbate is present in an amount ranging from 1500 to 3000 mg in a daily dose.

30. (New) A method according to claim 12, wherein the biological activity is maintained in the human brain.

31. (New) A method according to claim 12, wherein the maintained biological activity in the brain treats brain function decline.

32. (New) A method of treating brain function decline comprising orally administering a composition comprising (a) ascorbic acid, ascorbate or a derivative thereof, in combination with (b) one or more of quercetin-3-O-glucoside (isoquercetin), quercetin-4'-glucoside, quercetin-3'-glucoside, or quercetin-7-glucoside, in a molar ratio of from about 2:1 to about 1:2, the amounts being sufficient that the periods of biological activity of (a) and (b) are longer than the periods of biological effectiveness of (a) administered without (b) and of (b) administered without (a).

33. (New) A method of preventing oxidative stress in a human tissue comprising orally administering a composition comprising (a) ascorbic acid, ascorbate or a derivative

thereof, in combination with (b) one or more of quercetin-3-O-glucoside (isoquercetin), quercetin-4'-glucoside, quercetin-3'-glucoside, or quercetin-7-glucoside, in a molar ratio of from about 2:1 to about 1:2, the amounts being sufficient that the periods of biological activity of (a) and (b) are longer than the periods of biological effectiveness of (a) administered without (b) and of (b) administered without (a).